

As a below named inventor, I declare that:

My residence, Post Office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **High Speed Optical Modulator**.

The specification of which (check only one item below):

- ☒ is attached hereto
- ☐ was filed as United States Application Serial No. on \_\_\_\_\_  
and was amended on \_\_\_\_\_ (if applicable)
- ☐ was filed as PCT international application number \_\_\_\_\_, on \_\_\_\_\_, and was  
amended under PCT Article 19 on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate or 365(a) of any PCT international application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, on the same subject matter, having a filing date before that of the application on which priority is claimed:

- ☒ **Country:** EPC      **Application No.:** 02 292 403.9      **Filing Date:** 30 September 2002
- ☐ **NONE**

I hereby claim the benefit under Title 35 United States Code § 119(e) and § 120 of any United States application(s) or 365(c) of any PCT international application designating the United States listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35 United States Code § 112, I acknowledge the duty to disclose material information as defined in Title 37 Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

- |                          |                            |               |                |
|--------------------------|----------------------------|---------------|----------------|
| <input type="checkbox"/> | <b>Provisional No.:</b>    | <b>Filed:</b> | <b>Status:</b> |
| <input type="checkbox"/> | <b>Application No.:</b>    | <b>Filed:</b> | <b>Status:</b> |
|                          | <b>PCT Application No:</b> | <b>Filed:</b> | <b>Status:</b> |
| <input type="checkbox"/> | <b>NONE</b>                |               |                |

(U.S.)

Attorney Docket No.: SP02-196

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**Applicant(s):** Pearsall, et al

**Serial No.:**

**Filed:**

**For:** High Speed Optical Modulator

**COMBINED  
CERTIFICATE UNDER  
37 C.F.R. § 3.73(b)  
and  
POWER OF ATTORNEY**

Assistant Commissioner for Patents  
Washington, DC 20231

**CERTIFICATE UNDER 37 C.F.R. § 3.73(b)**

**CORNING INCORPORATED**, a New York corporation, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventor(s) of the patent application identified above. A true copy of the unrecorded Assignment is attached hereto.

The undersigned has reviewed the above referenced assignment of the patent application identified above and, to the best of the undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

(U.S.)

Attorney Docket No.: SP02-196

**POWER OF ATTORNEY BY ASSIGNEE**

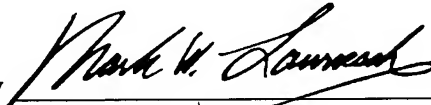
CORNING INCORPORATED, the assignee of the full and exclusive right, title and interest in and to the accompanying application for United States Letters Patent entitled **HIGH SPEED OPTICAL MODULATOR** and executed by Thomas P. Pearsall and Alexei V. Tchelnokov, on July 20, 2003 and July 26, 2003, respectively, appoints the practitioners associated with the Customer Number provided below (i.e., the practitioners associated with the Intellectual Property Department, Corning Incorporated) to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith. Please direct all correspondence to Walter M. Douglas at the address associated with that Customer Number.

<b>Customer Number: 22928</b>
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CORNING INCORPORATED

Date: September 15, 2003

By



Mark W. Lauroesch  
Assistant Secretary

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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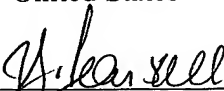
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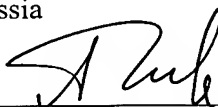
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